

CLAIMS

- 1 1. A device for securing a seat back to a vehicle having a floor
2 comprising:
3 a base mounted on the floor, said base having a spool;
4 a first hinge mounted on an outer side of the seat back, said first hinge
5 having a pin whereby a first portion of said pin extends normal to the seat back
6 and a second portion angularly extends therefrom; and
7 a second hinge mounted on an inner side of the seat back, said second
8 hinge having a slot to pivotally cooperate with said spool.

- 1 2. The device as recited in claim 1 wherein said spool has an
2 axially extending passage.

- 1 3. The device as recited in claim 2 wherein said spool has a
2 partition.

- 1 4. The device as recited in claim 3 wherein said partition is axially
2 mounted about said passage.

- 1 5. The device as recited in claim 4 wherein said second hinge
2 further includes a pivotally attached cam having a first flange, said first flange
3 having a shape complementary to said passage for attachment thereto.

1 6. The device as recited in claim 1 wherein said base has a first end
2 and a second end, said first end having a second flange attached to the floor,
3 said second end having a first arm.

1 7. The device as recited in claim 6 wherein said base has a second
2 arm whereby said spool is mounted between said first arm and said second
3 arm.

1 8. The device as recited in claim 1 wherein said first hinge is
2 attached to the vehicle by said pin.

1 9. The device as recited in claim 1 wherein the seat back pivots
2 about an axis of rotation, said axis passing through said slot and said pin.

1 10. A device for securing a plurality of seat backs to a vehicle
2 having a floor comprising:

3 at least one base mounted on the floor, said base having a spool, said
4 spool having an axially extending passage, said spool further having a partition
5 axially mounted about said passage;

6 at least one first hinge mounted on at least one outer side of the
7 plurality of seat backs, said first hinge having at least one pin; and

8 at least one second hinge mounted on at least one inner side of the
9 plurality of seat backs, said second hinge having a slot to pivotally cooperate
10 with said spool.

1 11. The device as recited in claim 10 wherein a first portion of said
2 pin extends normal to the seat backs and a second portion angularly extends
3 therefrom.

1 12. The device as recited in claim 11 wherein said first hinge is
2 attached to the vehicle by said pin.

1 13. The device as recited in claim 10 wherein said second hinge
2 further includes a pivotally attached cam having a first flange, said first flange
3 having a shape complementary to said passage for attachment thereto.

1 14. The device as recited in claim 10 wherein said base has a first
2 end and a second end, said first end having a second flange attached to the
3 floor, said second end having a first arm.

1 15. The device as recited in claim 14 wherein said base has a second
2 arm whereby said spool is mounted between said first arm and said second
3 arm.

1 16. The device as recited in claim 10 wherein the seat backs pivot
2 about an axis of rotation, said axis passing through said slot and said pin.

1 17. A device for securing a plurality of seat backs to a vehicle
2 having a floor comprising:

3 at least one base mounted on the floor, said at least one base having a
4 spool, said spool having an axially extending passage, said spool further having
5 a partition;

6 at least one first hinge mounted on at least one outer side of the
7 plurality of seat backs wherein said outer side is adjacent to the vehicle, said
8 first hinge having a pin whereby a first portion of said pin extends normal to
9 the seat backs and a second portion angularly extends therefrom and whereby
10 said first hinge is attached to the vehicle by said pin; and

11 at least one second hinge mounted on at least two inner sides of the seat
12 backs wherein said inner sides are adjacent, said second hinge having a slot to
13 pivotally cooperate with said spool.

1 18. The device as recited in claim 17 wherein said second hinge
2 further includes a pivotally attached cam having a first flange, said first flange
3 having a shape complementary to said passage for attachment thereto.

1 19. The device as recited in claim 17 wherein said base has a first
2 end and a second end, said first end having a second flange attached to the

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3 floor, said second end having a first, said base further having a second arm
4 whereby said spool is mounted between said first arm and said second arm.

1 20. The device as recited in claim 17 wherein the seat backs pivot
2 about an axis of rotation, said axis passing through said slot and said pin.